LABORATORIES OF VISITING PROFESSORS: SOLID STATE CHEMISTRY-Structure Analysis, FUNDAMENTAL MATERIAL PROPERTIES-Composite Material Properties, SYNTHETIC ORGANIC CHEMISTRY-Synthetic Theory

LABORATORIES OF VISITING PROFESSORS

SOLID STATE CHEMISTRY — Structure Analysis —

Vis Prof
MAEKAWA, Sadamichi
(D Eng)

Professor
MAEKAWA, Sadamichi
Institute for Materials Research, Tohoku University
(2-1-1 Katahira, Aoba-ku, Sendai 980-8577)

Lecture at *ICR*
Physics of Transition Metal Oxides I
Physics of Transition Metal Oxides II
Physics of Transition Metal Oxides III

Vis Assoc Prof
SUZUKI, Yoshishige
(D Eng)

Associate Professor
SUZUKI, Yoshishige
Materials Science Division, Electrotechnical Laboratory
(1-1-4 Umezono, Tsukuba, Ibaraki 305-8568)

Lectures at *ICR*
Quantum Size Effects in Magnetic Materials - Basic Concepts
Quantum Size Effects in Magnetic Materials - Concrete Examples

FUNDAMENTAL MATERIAL PROPERTIES — Composite Material Properties —

Vis Prof
KATO, Katsuhiko
(D Eng)

Professor
KATO, Katsuhiko (D Eng)
Deputy Director, Functional & Biomedical Products Division,
Toyobo Co. Ltd.
President, Nippon Dyneema Co. Ltd.
Lectures at *ICR*
Recent Progress in High Performance Industrial Fiber
"Super" Fibers and Their Characteristics
New Rigid-Rod Polymer - PBO Fiber;
Fiber-Making, Properties, and Its Industrial Application
UHMW Polyethylene Fiber
R & D Story of "Super" Fibers

Vis Assoc Prof
FUKAHORI, Yoshihide
(D Eng)

Associate Professor
FUKAHORI, Yoshihide (D Eng)
Manager, Materials Development Department
Bridgestone Corporation (Totsuka-ku-1, Yokohama, 244-8510)
Lectures at *ICR*
(1) A new polymer (a thermo-setting elastomer reinforced with continuous hard structures)
(2) A new polymer (a polymer physical gel with co-continuous structures)
(3) Rubber elasticity (theories and numerical treatments)
(4)Tribology of polymers (friction and wear)

SYNTHETIC ORGANIC CHEMISTRY —Synthetic Theory —

Professor
KOGA, Kenji
(D Pharm Sci)

Professor
KOGA, Kenji (D Pharm Sci)
Nara Institute of Science and Technology (Ikoma-shi, Nara 630-0101)

Lectures at *ICR*
Synthesis of Lithium Amide and an Approach to the Asymmetric Catalytic Process

TOBE, Yoshito
(D Eng)

TOBE, Yoshito (D Eng)
Department of Fundamental Chemical Engineering, Osaka University (Toyonaka-shi, Osaka 560-8531)

Lecture at *ICR*

Enthalpy-Entropy Compensation in Asymmetric Recognition